

August Meetings

Dates & Times:

Matinee, 2:30 p.m., Wednesday, August 8

Evenings, 8:00 p.m., Wednesday and Thursday, August 8 and 9

Place:

May Treat Morrison Auditorium

Speaker:

Dr. George Lindsay

Subject:

"A Trip to Antarctica"

The Fuegian Channels, Falkland Islands and Antarctic Peninsula were visited by a group of Academy members, accompanied by Dr. and Mrs. Lindsay, last December. This program is a slide/lecture report of their experiences.

Boarding the **Lindblad Explorer** at Puerto Montt, Chile, the group cruised through the Strait of Magellan and the Beagle Channel to the South Atlantic Ocean and the Falkland Islands, where enormous colonies of penguins, albatrosses and other birds were visited.

Crossing Drake's Passage the **Explorer** sailed south along the Antarctic Peninsula, calling at research stations of Chile, Argentina, Russia and the Palmer facility of the United States.

The scenery and wildlife of Antarctica are highlighted in this presentation. As usual, your membership card admits you through the main entrance at Cowell Hall, and now that the Academy is open until 9 every evening, you may use the rear entrance off East Middle Drive into the Wattis Hall of Man. Parking is available in this area also. For all three presentations, you will be asked to present your membership card at the auditorium door.

Special Exhibits

Assembled in celebration of Chevron's 100th birthday, **Creativity — The Human Resource** offers a fascinating look at the last 100 years of creativity in America in the fields of science, medicine, technology, the visual and performing arts, and in architecture and design. Also included in the exhibit, which is on view in the McBean-Peterson Galleries through August 26, is a film on the effect of environment on creativity, presentations on videotape, a creative databank and computer games to stimulate and challenge your own creativity. Next stop for the popular display is Seattle, where it opens on September 10.

Drake to Cook: Two Centuries of British Discovery in the Pacific, the current exhibit in Hohfeld I and II Galleries continues through September 3, and features a collection of memorabilia on the two great English navigators Sir Francis Drake and Captain James Cook.

This is the last month to see **Ice Age Art**, the exhibit of man's earliest art and symbol, on view in Lovell White Hall through August 31.

Other continuing exhibitions include **Fishes King Tut Might Have Eaten** at Steinhart Aquarium, **Voyagers to Jupiter** in Science Hall and a color photographic show on **Bali** in Lower Cowell Hall.

SHAKESPEARE EXHIBIT COMES TO THE ACADEMY

The Academy is proud to announce the opening in October of a major traveling exhibition from the Folger Shakespeare Library in Washington, D.C. entitled "Shakespeare, the Globe and the World." The Academy will serve as host museum for the national opening of the exhibition, which features an exciting panorama of rare books and manuscripts, paintings, prints, sculpture and costumes which have never been shown outside the library. The exhibit will feature the world famous Adams model of the Globe Playhouse and six mini-theatres — audio-visual environments presenting famous film clips from well-known performances of Shakes-

peare's plays, which will bring the world of Shakespeare and Elizabethan England to life.

Made possible by grants from the National Endowment for the Humanities, Metropolitan Life Insurance Company, Exxon Corporation and the Corporation for Public Broadcasting, "Shakespeare, the Globe and the World" will tour six American cities, opening in San Francisco on October 6. The show will run through December 31.

COME HITHER TO THE FAIRE

As a special bonus to Academy members, discount coupons will be available for those interested in attending this year's Renaissance Faire in Novato, Saturdays and Sundays from August 18 through September 23.

A trip to the Faire provides a great introduction to Shakespeare's world, as the Elizabethan faire is an authentic recreation of the lively pomp and artistry of early 17th century England.

So, don an Elizabethan costume, as many Faire folk do, and don't miss this chance to take a step back in time. To order your discount tickets: Send a stamped, self-addressed envelope to Renaissance Faire, California Academy of Sciences, Golden Gate Park, San Francisco, 94118. Indicate how many tickets you desire — a maximum of four tickets are available per person. You will receive the discount ticket coupons in the mail, each good for the \$5.00 Academy member discount rate, to be presented at the ticket booth upon arrival at the Faire. (Regular admission is \$7.50).

The Faire is open on the weekends, dates stated above, from 9 a.m. to 6 p.m. Information on how to get to the Faire will be sent with the discount ticket coupons. The Faire grounds are accessible by ferry and bus.

Morrison Planetarium

Through September 3, the Morrison Planetarium is pleased to offer **In Search of Ancient Astronomers**, the daily sky show that takes us on a world-wide journey to find out what the ancients knew about astronomy. The program can be seen at 12:30, 2 and 3:30 p.m., Saturday through Tuesday; at 11 a.m., 12:30, 2 and 3:30 p.m. Wednesday through Friday; and at 7:30 p.m. Wednesday and Thursday.

In addition to the regular sky show, the planetarium presents **Exploring the Skies of the Season**, a tour of the current night sky over San Francisco. You can see this weekend program at 11 a.m. each Saturday and Sunday.

Laserium

Enjoy the popular laser light concerts shown Friday through Tuesday in Morrison Planetarium. The newest edition to the Laserium concerts, **Laserium Light Years** features music from the 50's, 60's and 70's. The Laserium schedule is as follows:

Laserium Starship:

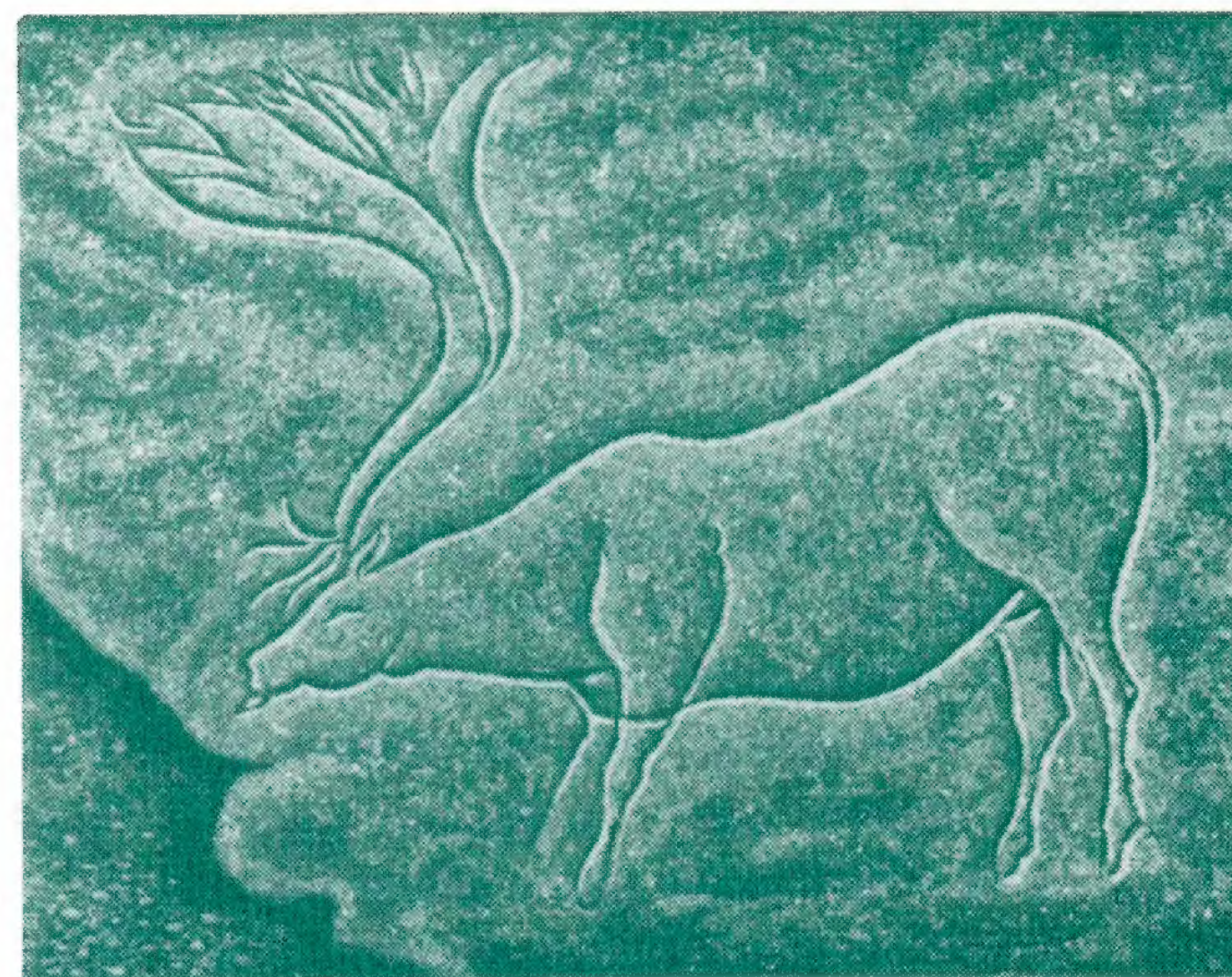
5, 7:30 and 9 p.m., Tuesdays and
5, 7:30, 9 and 10:30 p.m., Fridays

Laserium Light Years

5, 7:30, 9 and 10:30 p.m., Saturdays and
5, 7:30, and 9 p.m., Sundays and Mondays

Advance tickets are available at all BASS outlets. Remaining tickets go on sale at the planetarium box-office one-half hour before showtime. Members are reminded that this is not a regular planetarium show, nor are your passes usable for this attraction. For further Laserium information call 752-4264.

Inside the Academy



Now available exclusively through the Academy is the limited edition serigraph "Drinking Reindeer," pictured above, by New York artist Douglas Mazonowicz. 250 prints, priced at \$150 each are available through September. Order forms can be picked up at the Information Desk in Cowell Hall.

"Drinking Reindeer" is now on view in the Cowell Hall exhibit **The Hand of Man**, featuring Mazonowicz' work. Using the silk-screen technique, Mazonowicz has made accurate renderings in texture, size and color of prehistoric cave art.

"Drinking Reindeer" is a serigraph of a 20,000 year old engraving from the Les Combarelles cave which is situated in southwestern France and noted for its great wealth of engravings.

For further information call 221-5100, ext. 231.



Have some spare time? Why not spend it teaching young ones, and adults as well, about the fragile creatures that inhabit

Steinhart Aquarium's California Tidepool, pictured above. This large replica of a California tidepool is situated at the entrance to the Fish Roundabout and serves as a "wet hands laboratory" for those who want to acquaint themselves with tidepool sea life including garibaldi, starfish, lobsters, sea urchins and more. Tidepool docent volunteers are needed in various time slots and the Academy is now signing up interested volunteers for the training program in California Marine Life. To register, or for further information call Karen Herbert at 221-5100.

The Academy's Wattis Hall of Man, which features life-size anthropological exhibits of various world cultures, was completed during July, three years to the month the hall opened to the public with only five exhibits on display . . . there are now ten.

Wattis Hall embodies a unique concept in museum presentations of anthropological materials, that of ecological anthropology — the study of how various cultures have adapted to their environments to serve their own society's needs.

To foster a deeper understanding of the diversity in human societies, Wattis Hall presents dioramas on the highland farmers of New Guinea, desert nomads of Australia, fishing peoples of Micronesia, farming and herding tribes of the American Southwest, natives of the Northwest California Coast, rice farmers of Japan and the seal-hunting Alaskan Eskimos. The two most recently completed exhibits feature the Gabra herding tribes of East Africa and the herders of the Peruvian Andes.

Informal docent tours of Wattis Hall of Man are being offered at 11 a.m. each Wednesday through the summer.

The Wattis Hall complex includes Wattis Gallery, which displays material from the Academy's permanent anthropology collections including recent donations. This month's feature is a donation of gauntlets decorated with Plains Indians beadwork, a gift from the McAvin family.

New Arrivals at Steinhart Aquarium

During the recent DC-10 crisis, travelers in the South Pacific were inconvenienced and in many cases literally stranded in airports waiting for a vacant seat home. Last month a different kind of scheduled passenger was found without a ride when hundreds of tropical fish from the Philippines were left on freight docks for lack of transportation. When United Airlines became aware of the problem they came to the rescue and rushed the orphaned cargo to Steinhart Aquarium where, thanks to them, the dazzling beauty of skunk clown fish, indigo demoiselles and leaf-nose moray eels, to name just three, can be enjoyed in many tropical reef tanks.

Other recent additions include two bonnethead sharks from the Gulf of Mexico received in an exchange with Sea World of San Diego for some of our black tip reef sharks. This tropical species resembles its larger relative, the hammerhead, and bears the same curious adaptation of the broad boomerang-shaped head with the eyes located at the extreme sides and widely spaced nostrils. This arrangement provides a hydro-dynamic feature which keeps them on an even keel (the Roman poet Oppian called them "balancefish"), and aids them in easily focusing on distant food sources with sensory perception comparable to auditory parallax. The new bonnetheads are now on display in tank #11 with other tropical sharks.

Early in August members will receive information describing Academy activities for the fall months. Separate categories for "Adult Courses", "California Study Tours", and "Academy Expeditions" will give details and new registration procedures. With an expanded number of education and travel activities for members, it has become necessary to replace our phone-in reservation system with write-in registration procedures.

Telephone reservations can no longer be accepted.

To provide members with the greatest number of activities from which to choose, it

will be necessary for participants to mail in the reservation forms with a separate check for each activity. Notice of registration and a letter of confirmation will be sent to you as quickly as possible.

We are looking forward to an exciting program this fall and hope that you will be able to join us in the classroom or field for an Academy adventure.

INTERNATIONAL TRAVEL

Coral Gardens of Micronesia

October 10-November 10, 1979

This luxury cruise aboard the **Linblad Explorer** with distinguished Academy naturalist Dr. Sylvia Earle tours sixteen islands of Micronesia. Land/cruise costs from \$4800 plus air fare of \$1270.

Polynesia in the Wake of the Bounty

November 7-November 30, 1979

Another **Lindblad Explorer** cruise explores remote islands of the Polynesia group. Included in the itinerary are Suva, Tonga, the Cook Islands, Society Islands, Austral Islands, Mangareva Archipelago, Pitcairn Island with a conclusion at Easter Island. Land/cruise costs from \$4700 plus air fare of \$1322.

Baja California Overland With Barranca Del Cobre Extension

November 10-25, 1979

Botanist Annetta Carter leads this bus tour to the tip of Baja California with an optional extension to Barranca Del Cobre. Cost is approximately \$390, or \$665 with extension, plus air fare.

Baja California Gray Whales

February 5-13, 1980

This trip along the Baja California coast aboard the **Qualifier 105** is led by naturalist Bob Nansen. Cost is approximately \$700 from San Diego. Contact Nature Expeditions Inc. at (415) 328-6572.

Sri Lanka, India, Nepal and Kashmir

February 11-March 20, 1980

Kanha National Park, Bharatpur Bird Sanctuary, Royal Chitwan National Park and

famous Tiger Tops are but a few of the highlights of this journey led by Dr. and Mrs. Robert Orr. Itinerary and arrangements are being planned by Siemer & Hand, Ltd. For information please call (415) 788-7186.

For information on any of the above trips, please call the Education/Travel Office at the Academy, 221-5100, ext. 211.

Advance Notice of Monthly Meetings

September 12 and 13:

Douglas Mazonowicz on "Voices From the Stone Age."

New Members of the Academy

Continued from last month

Regular Members

| | |
|----------------------------------|----------------------------------|
| Mr. Brad Goodhart | Mr. Stephen Johnson |
| Missy and Cindy Got | Mr. Karl Johnston |
| Miss Mary Graubeger | Mr. David P. Jones |
| Miss Sally Greig | Miss Tina Jones |
| Miss Phoebe Grigg | Mrs. Dena Justin |
| Mr. & Mrs. Jack Greenland | Dr. Raymond F. Kaiser |
| Mr. F. Groepler | Mr. Henry P. Kaplan |
| Miss Amy Guis | Mr. Timothy Kask |
| Mr. Albert I. Haber | Dr. John D. Kassenbrock |
| Mr. & Mrs. Donald Haggerty | Mr. T. Katan |
| Dr. William M. Hammonds | Mr. & Mrs. Richard J. Keating |
| Mr. Alan Haskins | Mr. Robert M. Kemp |
| Mr. David Hatch | Mr. Tim Kensit |
| Dr. Kazushige Hayashi | Jim Kern & Masako Koda |
| Ms. Marsha J. Heidt | Mr. & Mrs. Redmond F. Kernan III |
| Mrs. Elizabeth Helmholtz | Ms. Carol Khadjenouri |
| Mr. Greg Helser | Mr. & Mrs. T. E. Killebrew |
| Mr. George W. Henderson | Mr. Joe M. Kinchen |
| Mr. Glen R. Himberg | Miss Ruth C. Kirby |
| Mrs. Evelyn M. Hinds | Dr. William Kiyasu |
| Miss Judy Hisaka | Mr. Michael Klaper |
| The Hoh Children | Mr. Richard Klein |
| Mr. Michael S. Hollander | Mr. John Knox |
| Dr. Philip Hordiner | Mr. John Kozero |
| Miss Lynn Howard | Mr. & Mrs. Larry Lack |
| Mrs. Marian Howard | David & Georgeann Laird |
| Mr. Jeffrey Howson | Mrs. Chris LaMonico |
| Mr. & Mrs. William B. Hubbard | Mr. & Mrs. H. R. Laughlin |
| Bob & Luisa Hudgins | Mr. Albert Lee |
| Miss Peggy L. Hughes | Drs. Peter & Nancy Lee |
| Mr. Jeffrey Huid | Miss Diane Leweck |
| Dr. Arvin Don Hullinger | Mr. Arthur D. Libin |
| Mr. & Mrs. Jim J. Hustler | Dr. Alan Lifshay |
| Mr. Joe Ingrassia | Mr. Darrell Linton |
| Mrs. Teruko & Mr. Jinjiro Inouye | Mr. Louis Lipset |
| Dr. Peyton Jacob, Jr. | Dr. & Mrs. Joe J. Litehiser, Jr. |
| Mr. Anthony Janelli | Sam & Cindy Livermore |
| Mr. & Mrs. E. R. Jerome | Mr. Harry Lohstroh |
| Mr. John Johnson | Mr. & Mrs. Albert G. Loomis |
| | Mr. John Lord |
| | Miss Janet C. Loretz |

New Members of the Academy

Ming Yi Louie
Mr. & Mrs. Allan Low
Miss Barbara Lyons
Miss Diana Magri
Mrs. Mary Jo Makjavich
Mr. & Mrs. Robert C. Makjavich
Stephen Makjavich &
Michelle McDonald
Miss Jane A. Margold
Mr. Stephen J. Marsh
Miss Micaela Martinez
Miss Jill Masch
Mr. & Mrs. Jack Mates
Ms. Diana G. Matthiesen
Mr. John Maxwell
Mr. Lewis Mehl
Ms. Marilee Mifflin
Miss Margie Milenkiewicz
Mr. Hugh Miller, Jr.
Mrs. Lois Miranda
Mrs. Isabel Moll
Mr. & Mrs. Joseph Moore
Mr. Michael D. Moore
Mr. Michael W. Moore
Miss Barbara Morrison
Mr. Milton J. Mosk
Mr. David Motto
Dr. Raymond Mundt
Mr. & Mrs. Robert Murray
Dr. & Mrs. David A. Mustart
Julia & Melissa McNeill
Mrs. Maria McParland
Mr. H. Roger McPike
Mr. William Nelson
Mr. Mike Newcomer
Mr. & Mrs. James A. Newey
Mr. Lloyd Nullmeyer
Miss Carol A. Olson
Mr. & Mrs. Sigrid Paech
Dr. Bonita Palmer
Mr. Stephen J. Paltiel
Mr. Richard Pascarelli
Mr. & Mrs. Robert W. Pederson
Major & Mrs. E. V. Perdue, II
Ms. Annette B. Perry
Ms. Faith Petric
Miss Pauline Pezzolo
Mr. Joel Pierce
Mr. Jeff Pitts &
Ms. Shauna Mack
Mr. K. Wayne Pope
Mr. Rich Powers
Mr. Richard L. Powers
Mr. Gilbert Raff
Ms. Lynn Rankin
Mr. Eric Raznick
Mr. & Mrs. A. T. Reyes
Mr. Richard Rhodes &
Ms. Ruth Erznosnik
Mrs. Linda Ricci
Dr. & Mrs. Joel Richmon
Mr. Eric Rigling
Mr. Bill Roberson
Miss Patricia Rocha
Ms. Diane M. Rowland
Dr. Robert Rubenstein
Ms. Irene Rudolf
Miss Ida Gertrude Safley
Mr. Richard Santos
Mr. Samuel Schindler
Mr. Richard Schlueter
Mr. James R. Schmitt
Mr. & Mrs. Barry Schonhaut
Mr. Don Scott
Ms. Linda L. Scroggie
Mr. Donald G. Seal
Dr. Edwin B. Seelye
Mr. Mike Sellens
Mr. R. Sells
Mr. & Mrs. Chris Sewell
Mr. John F. Sharp
Mr. Daniel Lee Shegitz
Mrs. Catherine M. Shorb
Mr. Lou Silva
Miss Karen Ann Simons
Mrs. Henry Sinton
Mr. Steven G. Smith
Miss Gayle Smookler

Dr. & Mrs. E. Martin Spencer
Aisha & David Spero
Dr. S. Sriram
Mrs. Marion Steinkellner
Dr. & Mrs. F. L. Stutzman
Dr. Robert W. Sullivan
Mr. & Mrs. John Sulzbach
Carol & Bill Swain
Mr. Christopher W. Swarth
Mr. Charles Switzer
Mr. & Mrs. J. E. Tabor
Dr. & Mrs. Paul Tamm
Ms. Mary Temby
Mr. Charles Thompson
Miss Diane Thrailkill
Miss Doris G. Thronson
Mr. & Mrs. C. M. Tompkins
Miss Carole F. Truman
Ms. Elizabeth Tucker
Mr. & Mrs. Jay R. Tunney
Mr. Arthur L. Turner
Mr. Mike Vallarino
Ms. Barbara Verner
Christopher & Lorraine Viale
Mr. & Mrs. W. J. Wagner
Mrs. William J. Wagner
Mr. & Mrs. G. Warren
Mr. Gary Watson
Robin Watters
Mr. & Mrs. E. Leland Webber
Mrs. Marian Weigel
Miss Monique Weil
Ms. Heidi Weinert
Mr. Steven A. Whelan
Mrs. Kaye Whitehead
Miss Sandra Wicks
Mr. Jonathan J. Wilcox
Mr. Tim Williams
Mr. & Mrs. Steven Wilson
Dr. S. C. Woodward
Mr. & Mrs. John Working
Miss Carolyn Lee Zalon
H. Zelinsky
Mr. Anthony R. Zelonis
Mr. Kenneth F. Zib

Contributing Members

Dr. Michael Ellet Brown
Ms. Victoria G. Chaney
Mr. Richard J. Collins
Mr. & Mrs. Sheldon E. Crandall
Mr. Steven H. DeBenedetti
Mr. Jack Edelman
Mr. Richard S. Felger
Mr. & Mrs. Larry Friedlander
Mr. & Mrs. Paul Germeraad
Mr. John B. Gorey
Dr. Scott C. Hallsted
Mr. & Mrs. Ronald W. Henderson
Mr. & Mrs. W. E. Higgins
Mr. & Mrs. William G. Johnson
Mr. Robert K. Kuster
Miss Janet Lashbrooke
Dr. Mark E. Latham
Mrs. Pearl Lock
Mrs. Mary Ann Lynch
Mr. & Mrs. J. D. Merchant
Mr. & Mrs. J. W. Moseley
Mr. & Mrs. James E. McDavid
Dr. Thomas G. Parker
Miss Ellen D. Rush
Miss Margaret Scott
Dr. P. Dunlap Smith
Mr. Joseph Soldis
Dr. & Mrs. Martin Spellman
Mr. Heath Wakelee
Miss Lillian Wong

Sustaining Members

John, Austin & Marian Heinrich
Mr. & Mrs. Robert T. Nootbaar

Life Member

Mr. & Mrs. Harry Johnston

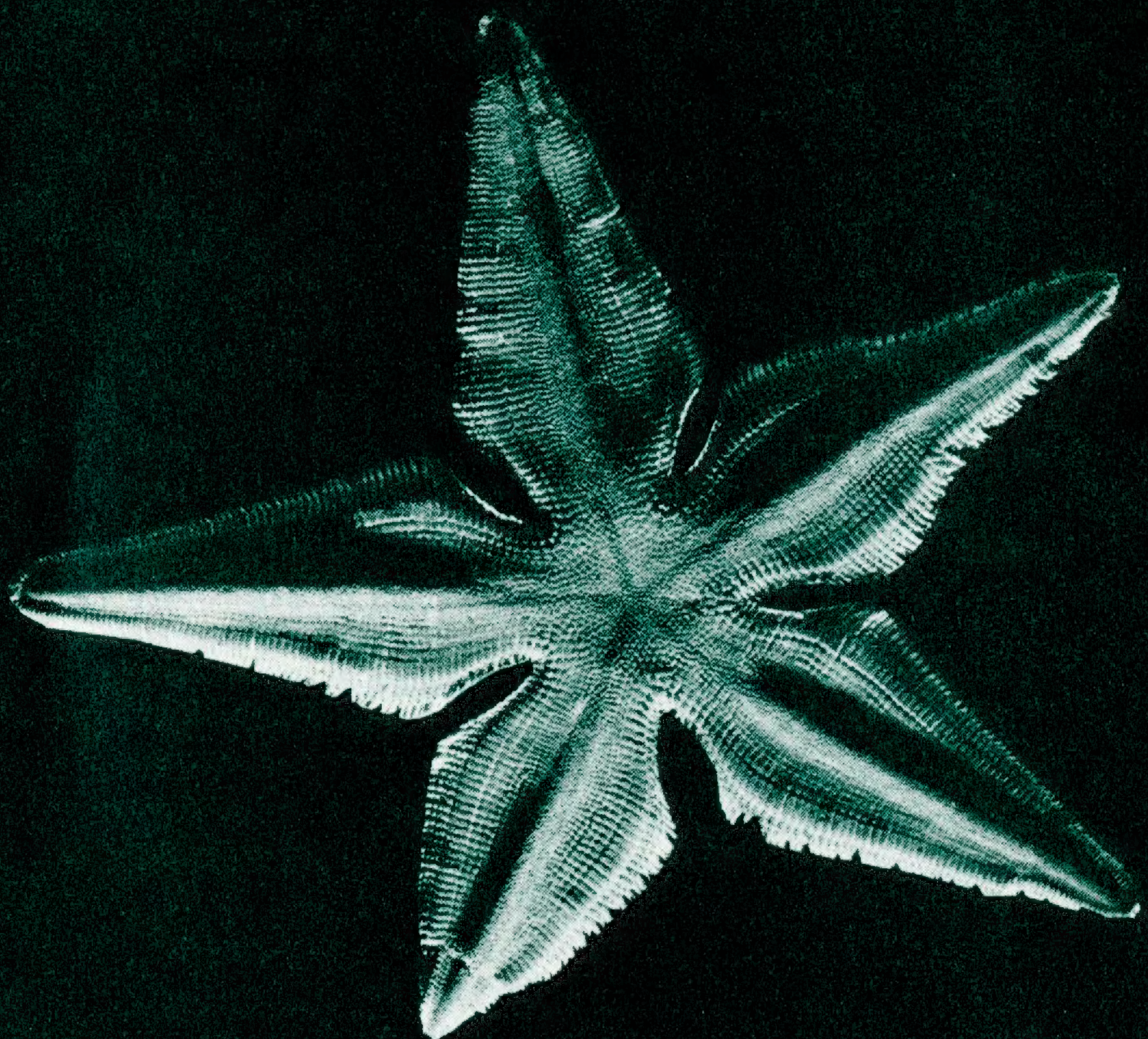
Open every day of the year
No. 476



California Academy of Sciences
Golden Gate Park
San Francisco, California 94118
(415) 221-5100 221-4214

Non-Profit Organization
U.S. Postage Paid
Permit No. 7544
San Francisco, California

Printed on 100% Recycled Paper



California Academy of Sciences

Newsletter
August, 1979